

Docket No.: 02427/1203347-US2

AMENDMENTS TO THE CLAIMS

Claims 1-15 (cancelled).

16. (Presently amended) An isolated antibody that binds to an extracellular portion of a Breast Cancer Resistance Protein (BCRP) selected from the group consisting of human BCRP (huBCRP) or murine BCRP (mBCRP); wherein the extracellular portion of the BCRP is in its natural conformation; wherein the antibody binds to living MCF-7 or 3T3 cells expressing BCRP on their surface; wherein the antibody does not bind to living MCF-7 cells that do not express BCRP on their surface; and wherein the antibody does not bind to denatured BCRP.

Claims 17-21 (cancelled).

22. (Previously presented) The isolated antibody of claim 16 wherein the isolated antibody is monoclonal.

23. (Previously presented) The isolated antibody of claim 16 wherein the isolated antibody is chimeric.

24. (Previously presented) The isolated antibody of claim 23 wherein the antibody is humanized.

Claims 25-28 (cancelled).

29. (Previously presented) The isolated antibody of claim 16, operably attached to a detectable label.

30. (Previously presented) An immunodetection kit comprising, in suitable container means, the antibody according to claim 16 and an immunodetection reagent.

31. (Presently amended) An isolated antibody that binds to an extracellular portion of a Breast Cancer Resistance Protein (BCRP) selected from the group consisting of human BCRP (huBCRP) or murine BCRP (mBCRP) generated by

- (i) immunizing an animal with 3T3 cells that express ~~human or murine Breast Cancer Resistance Protein (BCRP)~~ huBCRP or mBCRP in its natural conformation on the cell surface;
- (ii) selecting a hybridoma that secretes antibodies that bind to MCF-7 cells that express ~~human or murine BCRP~~ huBCRP or mBCRP in its natural conformation on the cell surface, said antibodies do not bind to MCF-7 cells that do not express ~~human or murine BCRP~~ huBCRP or mBCRP in its natural conformation on the cell surface, and do not bind to denatured BCRP; and
- (iii) isolating an antibody from the hybridoma selected in step (ii).

32. (Previously presented) The antibody of claim 31, which is generated in a mouse and wherein the BCRP is human BCRP.

33. (Presently amended) An isolated antibody that binds to an extracellular portion of a Breast Cancer Resistance Protein (BCRP) selected from the group consisting of human BCRP (huBCRP) or murine BCRP (mBCRP) generated by isolating an antibody from a hybridoma that secretes antibodies that bind to MCF-7 cells that express ~~human or murine Breast Cancer Resistance Protein (BCRP)~~ huBCRP or mBCRP in its natural conformation on the cell surface, said antibodies do not bind to MCF-7 cells that do not express ~~human or murine BCRP~~ huBCRP or mBCRP in its natural conformation on the cell surface, and said antibodies do not bind to denatured BCRP, and wherein the hybridoma is generated from an animal immunized with 3T3 cells that express ~~human or murine BCRP~~ huBCRP or mBCRP in its natural conformation on the cell surface.

34. (Previously presented) The antibody of claim 33, wherein the animal is a mouse and the BCRP is human BCRP.